

Converting Colors

$Y_{xy}(15.7718, 0.3086, 0.4180)$

Have a look what the booklet for
Yxy(15.7718, 0.3086, 0.4180)
contains.

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Color

$Y_{xy}(15.8360, 0.3086, 0.4170)$

Conversions

Conversions Part 1

Format	Color
Hex	527852
RGB	82, 120, 82
RGB Percent	32%, 47%, 32%
CMY	0.6784, 0.5294, 0.6784
CMYK	0.32, 0.00, 0.32, 0.53
HSL	120°, 19%, 40%
HSV	120°, 32%, 47%
XYZ	11.7194, 15.8360, 10.4206
YIQ	104.3060, -10.4500, -19.8740

Conversions

Conversions Part 2

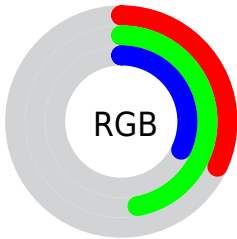
Format	Color
R_{YB}	82, 120, 120
Decimal	5404754
CIE _{Lab}	46.76, -21.65, 16.72
CIE _{LCh}	47, 27.355, 142.318
Yxy	15.8360, 0.3086, 0.4170
Android (android.graphics.Color)	4283594834 (0xFF527852)
YUV	104.3060, -10.9969, -19.5624
Hunter-Lab	39.7945, -17.0724, 12.3304

Details

The Yxy color **15.8360, 0.3086, 0.4170** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.3826, 0.3162, 0.2543**, and the grayscale version is **13.9625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5396, 0.3105, 0.3942**, and **4.9974, 0.3032, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **15.1780, 0.3070, 0.4503**, and if you desaturate by 10%, it is **16.6214, 0.3101, 0.3859**.

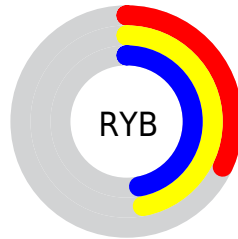
Distribution



Red (32%)

Green (47%)

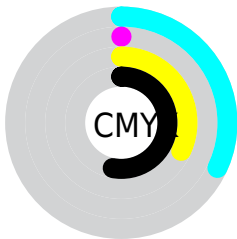
Blue (32%)



Red (32%)

Yellow (47%)

Blue (47%)

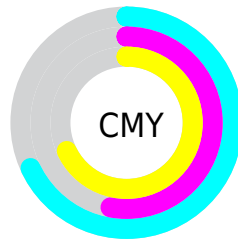


Cyan (32%)

Magenta (0%)

Yellow (32%)

Black (53%)



Cyan (68%)


Magenta (53%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8360, 0.3086, 0.4170 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.8360, 0.3086, 0.4170 by changing the saturation by 10% instead.


 15.8360, 0.3086,
0.4170


 15.8360, 0.3086,
0.4170


228.3720, 0.3122,
0.3631


 9.4082, 0.3066,
0.4355


 36.3133, 0.3105,
0.3942


 5.0084, 0.3029,
0.4637

 51.1315, 0.3110,
0.3867


 2.2522, 0.2951,
0.5116

 69.5153, 0.3114,
0.3807

 0.7482, 0.1962,
0.8038

 91.8491, 0.3116,
0.3759

 0.0000, 0.0000,
0.0000

 118.5173, 0.3118,
0.3719

149.9042, 0.3120,

0.3685

186.3944, 0.3121,
0.3656

■ 15.8360, 0.3086,
0.4170

■ 15.8360, 0.3086,
0.4170

■ 15.1780, 0.3070,
0.4503

■ 16.6214, 0.3101,
0.3859

■ 14.6388, 0.3054,
0.4846

■ 17.5381, 0.3114,
0.3578

■ 14.2118, 0.3039,
0.5180


■ 18.5927, 0.3125,
0.3329

■ 13.8893, 0.3025,
0.5480

■ 19.7904, 0.3136,
0.3110


■ 13.6621, 0.3013,
0.5723


■ 21.1363, 0.3144,
0.2921

 13.5200, 0.3005,
0.5891

 22.6352, 0.3152,
0.2758

 13.4336, 0.3000,
0.6000

 24.2918, 0.3159,
0.2617

 26.1104, 0.3164,
0.2495

 28.0953, 0.3169,
0.2391

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.8360, 0.3620, 0.4283



15.8360, 0.3086, 0.4170



15.8360, 0.2589, 0.3739

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.8360, 0.3086, 0.4170



15.8360, 0.2258, 0.2474



15.8360, 0.4079, 0.3282

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.8360, 0.3086, 0.4170



11.3826, 0.3162, 0.2543

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.8360, 0.3649, 0.2883



15.8360, 0.3086, 0.4170



15.8360, 0.2590, 0.2433

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.8360, 0.3086, 0.4170



15.8360, 0.2141, 0.2727



15.8360, 0.3092, 0.2582



15.8360, 0.4222, 0.3710

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.8360, 0.3086, 0.4170



15.8360, 0.2342, 0.3367



15.8360, 0.3092, 0.2582



15.8360, 0.3962, 0.3142

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.8367, 0.3086, 0.4170



31.0949, 0.3115, 0.3541



17.8839, 0.3584, 0.4029



7.3219, 0.3114, 0.3570



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8367, 0.3086, 0.4170



26.9905, 0.3075, 0.4410



16.1543, 0.2892, 0.3733



4.4500, 0.3117, 0.3511



14.6548, 0.3000, 0.6000



69.9042, 0.3000, 0.6000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.3826, 0.3162, 0.2543



17.8530, 0.3170, 0.2377



10.9792, 0.3457, 0.2887



4.0775, 0.3137, 0.3079



5.8330, 0.3209, 0.1541



27.8232, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 15.8360, 0.3086, 0.4170 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.8360, 0.3086, 0.4170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

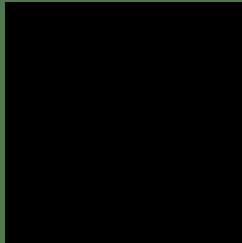
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.8360, 0.3086, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 15.8360, 0.3086, 0.4170.



This preview shows how white text looks on a background with the Yxy color 15.8360, 0.3086, 0.4170.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.8360, 0.3086, 0.4170

Protanopia

15.6239, 0.3673, 0.3942

Deuteranopia

15.7098, 0.3765, 0.3697



Tritanopia

15.8904, 0.2728, 0.3099

Trichromacy



Original Color

15.8360, 0.3086, 0.4170

Protanomaly

15.6633, 0.3451, 0.4042

Deuteranomaly

15.5197, 0.3501, 0.3855

Tritanomaly

15.8529, 0.2853, 0.3466

Monochromacy



Original Color

15.8360, 0.3086, 0.4170

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4832, 0.3112, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8360, 0.3086, 0.4170 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(82, 120, 82)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 82)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(82, 120, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 82) }
```

Border

The CSS property to change the border of an element to Yxy 15.8360, 0.3086, 0.4170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(82, 120, 82) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(82, 120, 82) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(82, 120, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 82);  
box-shadow:4px 4px 4px 4px rgb(82, 120,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8360, 0.3086, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 120, 82) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(82, 120,  
82) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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